

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 11196546 A  
(43) Date of publication of application: 21.07.1999

(51) Int. Cl H02K 3/14  
B60L 13/10, H01F 7/20, H02K 41/02

|  |  |
|--|--|
| (21) Application number: 09359179<br>(22) Date of filing: 26.12.1997 | (71) Applicant: HITACHI LTD<br>CENTRAL JAPAN RAILWAY CO<br>(72) Inventor: KOIKE MASATOSHI<br>KOIDE TOMOMICHI<br>TERAI MOTOAKI<br>UMEKI TAKESHI |
|--|--|

**(54) GROUND COIL IN MAGNETICALLY LEVITATED TRANSPORTATION SYSTEM**

without damaging the strength of the conductor itself.

COPYRIGHT: (C)1999,JPO

**(57) Abstract:**

**PROBLEM TO BE SOLVED:** To provide a ground coil for making a conductor transposing range to a minimum without damaging strength of the conductor, by turning and piling conductors in a multiple stage and changing an angle of the conductor for transposing the stage moving part in the ground coil in a magnetically levitated transportation system.

**SOLUTION:** In ground coils 1 and 2, a conducting coil 3 made up of conductors 3a and 3b transposed at a transposed part (stage moving part), a conducting coil 4 made up of conductors 4a and 4b transposed at a transposed part (stage moving part), and a conducting coil 5 made up of conductors 5a and 5b transposed at a transposed part (stage moving part) are stacked at two stages. Then, the transposed range for transposing the conductor is adjusted into a minimum level

